

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

| | | | |
|-----------------|--|------------------|------------|
| CONTRACTOR | CONTRACT NO./TASK NO. | JOB ORDER NUMBER | APPROP. FY |
| QSS Group, Inc. | NAS5- TASK NO. AMENDMENT 99124 195 | 562-258-10-19-89 | 99 |

TASK TITLE: (NTE 80 characters; include Project name)

WARP Power Supplies

APPROVALS: (Type or print name and sign)

| | | | | |
|--|------------------------------------|----------|-----------------|--------------|
| ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR) | DATE | ORG CODE | MAIL CODE | PHONE |
| Nicholas J. Speciale <i>[Signature]</i> | 1/4/2000 | 730 | 490 | 301-286-8704 |
| BRANCH HEAD | DATE | CODE | | PHONE |
| Dale F. Schulz <i>[Signature]</i> | 1/4/00 | | 490 | 301-286-8417 |
| CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR) | DATE | CODE | | PHONE |
| Robert S. Lehair, Jr. <i>[Signature]</i> | 1/5/00 | | 560 | 301-286-6588 |
| FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE? (IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK) | CONTRACTING OFFICER'S QUALITY REP. | | DESIGNATED FAM: | |
| (x) NO () YES | | | | |

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)

C.O. Requested Quote on:

Date: JAN - 5 2000

Contractor will develop specification or statement of work under this task for a future procl (x) NO () YES

Flight hardware will be shipped to GSFC for testing prior to final del (x) NO () YES () N/A

Government Furnished Property/Facilities (x) NO () YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: () NO (x) YES If yes: (x) TOTAL () PARTIAL
If partial, indicate onsite work in SOW by asterisk (*)

Surveillance Plan Attached: (x) NO () YES

Highlighted Contract Clauses: (to be completed by Contracting Officer)

Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be January 5, 2000.

INCENTIVE FEE STRUCTURE (check one)

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

| | No. 1 | No. 2 | No. 3 | X No. 4 | No. 5 |
|-----------|-------|-------|-------|---------|-------|
| Cost | 10% | 50% | 25% | 25% | % |
| Schedule | 15% | 25% | 25% | 50% | % |
| Technical | 75% | 25% | 50% | 25% | % |

(To be completed by Contracting Officer)

The target cost of this task order is \$ 120,765

The target fee of this task order is \$ 1,325

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 122,090

The maximum fee is \$ 1,936

The minimum fee is \$0.

AUTHORIZED SIGNATURE:

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

[Signature] 5/31/00
SIGNATURE OF CONTRACTING OFFICER DATE

ELIZABETH J. AUSTIN
CONTRACTING OFFICER

TYPED NAME OF CONTRACTING OFFICER

CONTRACTOR'S ACCEPTANCE:

AUTHORIZED SIGNATURE

DATE

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CONTRACTOR:

CONTRACT NO. / TASK NO.

NAS5-

TASK NO.

AMENDMENT

QSS Group, Inc.

99124

195

Applicable paragraphs from contract Statement of Work:

STATEMENT OF WORK: (Continue on blank paper if additional space is required)

The contractor shall provide services for the WARP power supply. The contractor shall be familiar with the LVPC design, flight unit layout, and testing of breadboard/flight unit. The contractor shall be knowledgeable of the power and power switching requirements of the LVPC design. The contractor shall be experienced with test and diagnostic techniques of flight power electronics hardware and integration of this hardware.

1. The contractor shall assist in troubleshooting electrical systems problems pertaining to the LVPC, and, if necessary, produce modifications to the LVPC.
2. The contractor shall examine data to verify proper LVPC functioning during the EO-1 spacecraft integration and spacecraft environmental testing.

PERFORMANCE SPECIFICATIONS:

All testing and data analysis under this task are to be produced using industry standard practice.

APPLICABLE DOCUMENTS:

1. WARP internal interface documents.
2. WARP LVPC schematics, test procedures, and assembly drawings.
3. EO-1 spacecraft interface requirements.
4. EO-1 environmental test procedures.

TASK END DATE:

6/30/00

MILESTONES/DELIVERABLES AND DATES:

~~Spacecraft EMI Test~~ — Test summary data package within 1 week of completion of test. —
~~Spacecraft T/V Test~~ — Test summary data package within 1 week of completion of test. —

Net list and cover memo explaining what analysis was performed: 5/14/00

Hand wound magnetics and modifications to readboard as required by the ATR: 4/9/00

PERFORMANCE STANDARDS:

Schedule: On-time delivery of the above.

Technical: ATR's acceptance of the above.

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

Nicholas Speciale, Building 16, Room 28